ATENT COOPERATION TREATY



REC'D 18 JAM 2005

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION See Form PCT/IPEA/416							
INTO 3 1 4 9 N	International filing date (al filing date (day/month/year) Priority date (day/month/year)						
1		usymoningear)	24.09.2002					
International Patent Classification (IPC) or national classification and IPC								
B63B 27/34, E21B 17/01								
Applicant								
STATOIL ASA et al								
			s International Preliminary Examining					
Authority under Article 35 and tr		_						
2. This REPORT consists of a total of	******	including this cover	sheet.					
3. This report is also accompanied b	y ANNEXES, comprising:							
a. (sent to the applicant	and to the International B	ureau) a total of	sheets, as follows:					
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the								
Administrative Instructions).								
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.								
		Cindicate type and r	number of electronic carrier(s))					
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readable form only, a Administrative Instru	as indicated in the Supplem	ental Box Relating t	o Sequence Listing (see Section 802 of the					
4. This report contains indications re	elating to the following item	ns:						
Box No. I Basis o	of the report							
Box No. II Priority	7							
Box No. III Non-es								
Box No. IV Lack o	f unity of invention							
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
Box No. VI Certain documents cited								
Box No. VII Certain	Box No. VII Certain defects in the international application							
Box No. VIII Certain observations on the international application								
Date of submission of the demand Date of completion of this report								
Date of submission of the demand								
01.04.2004		28.12.2004						
Name and mailing address of the IPEA/SE		Authorized officer						
Patent- och registreringsverket Box 5055								
S-102 42 STOCKHOLM Carl Fröderberg/EK								
Facsimile No. +46 8 667 72 88		Telephone No. +46 8 782 25 00						

Form PCT/IPEA/409 (cover sheet) (January 2004)

1. With regard to the language, this report is based on the international application in the language in which it was filed, und otherwise indicated under this item. This report is based on a translation from the original language into the following language	Box	No. I	Basis of the report					
which is the language of a translation farmished for the purposes of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rules 12.4) international preliminary examination (under Rules 55.2 and/or 55.3) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have be furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally file and are not annexed to this report): the international application as originally filed/furnished	1.			ge in which it was filed, unless				
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* If item 4 applies, some or all of those sheets may be marked "superseded."	*	If item						

Box No. V		Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement					
	Novel	ity (N)	Claims Claims	1-17	YES NO	
	Invent	tive step (IS)	Claims Claims	1-17	YES NO	
	Indust	trial applicability (IA)	Claims Claims	1-17	YES NO	

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: US 4505618 A D2: GB 2066758 A D3: GB 2320268 A

D4: US 3612176 A

The cited documents represent the general state of the art. The invention defined in claims 1- 17 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed flexible risers for transfer of hydrocarbons between a sea bed installation and a vessel where the riser is provided with means for protecting the riser from impacts. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1- 17 is novel and is considered to involve an inventive step. The invention is industrially applicable.